

FIGURE 1
(Prior Art)



2/31

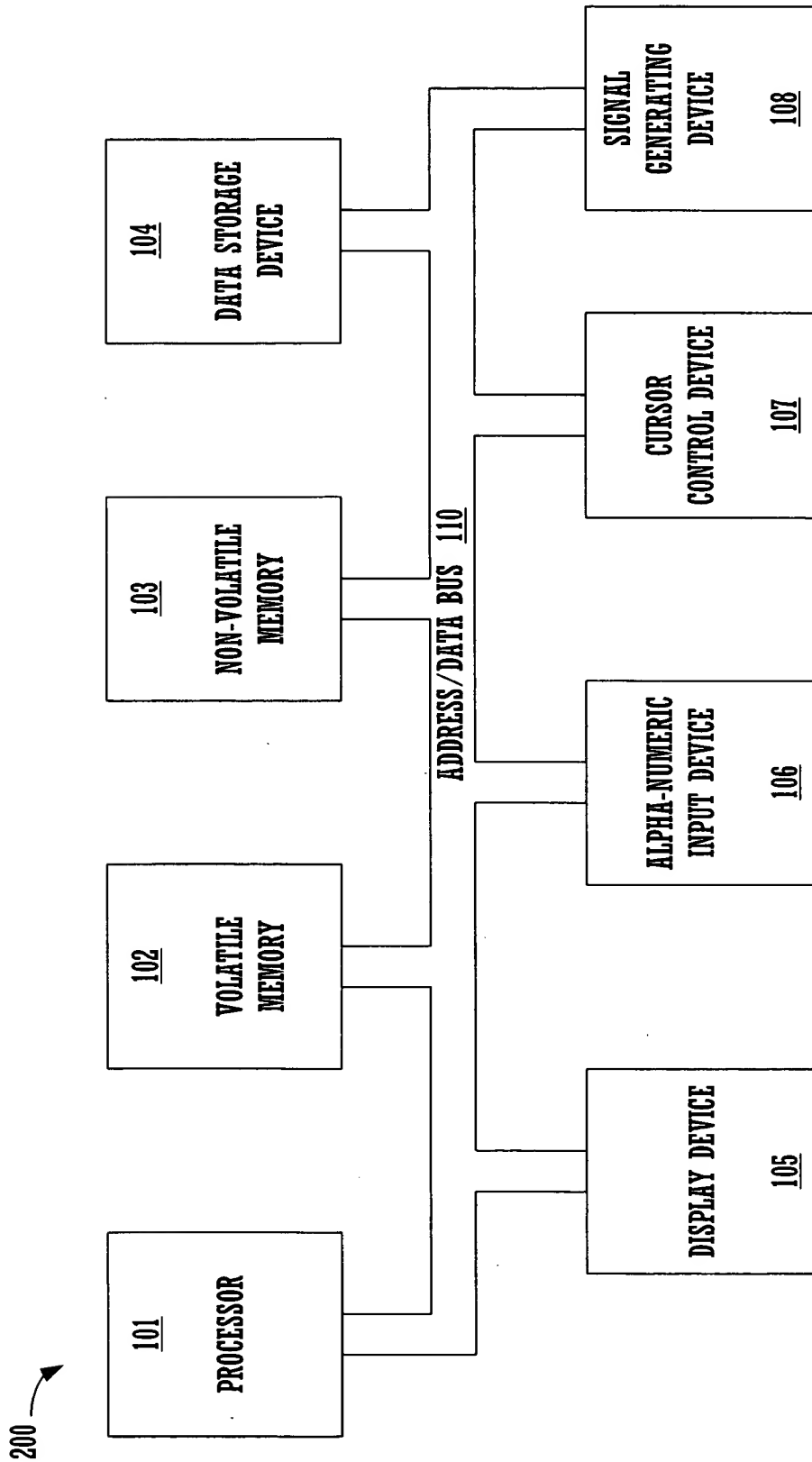
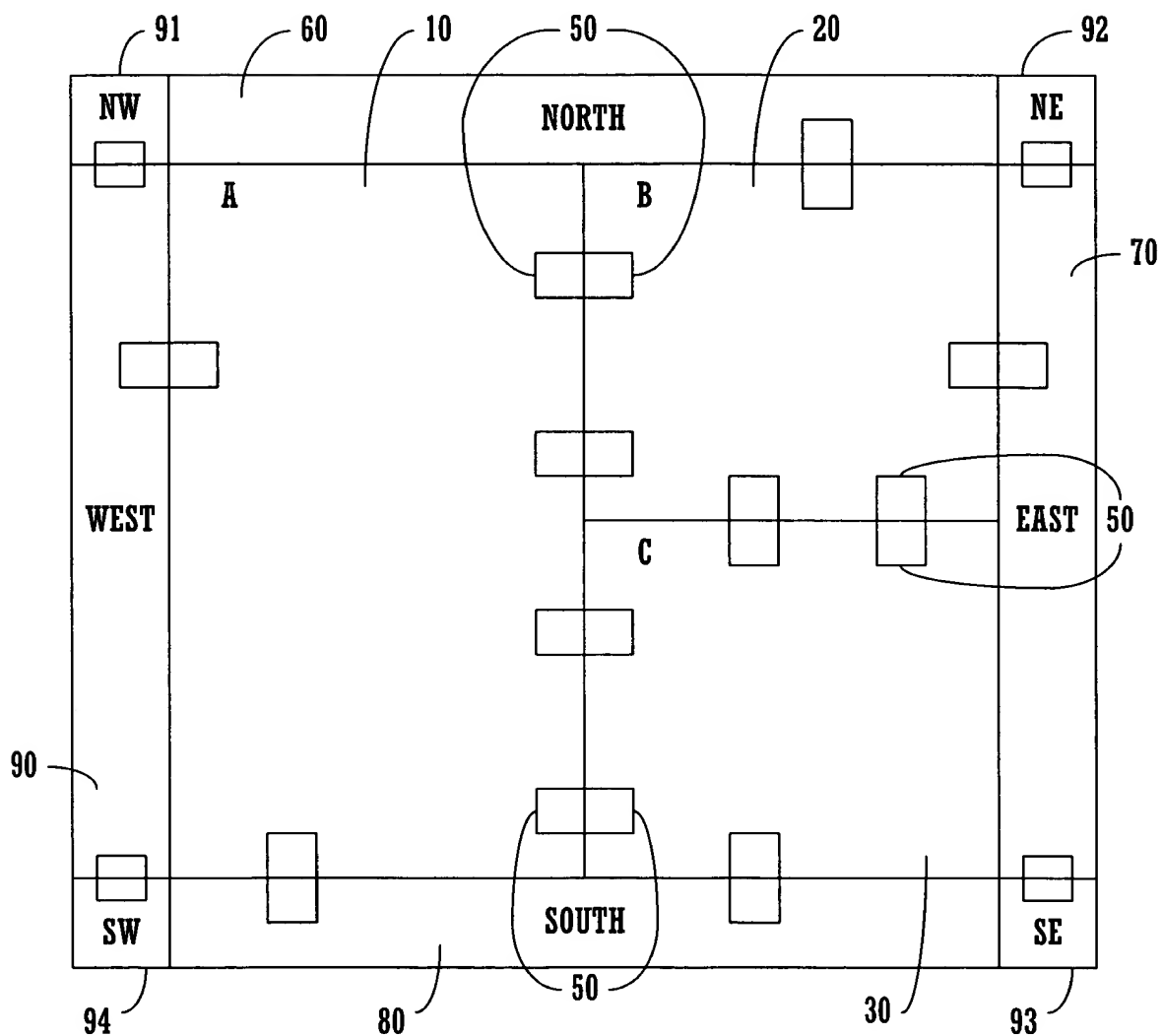


FIGURE 2



3/31

300





4/31

400

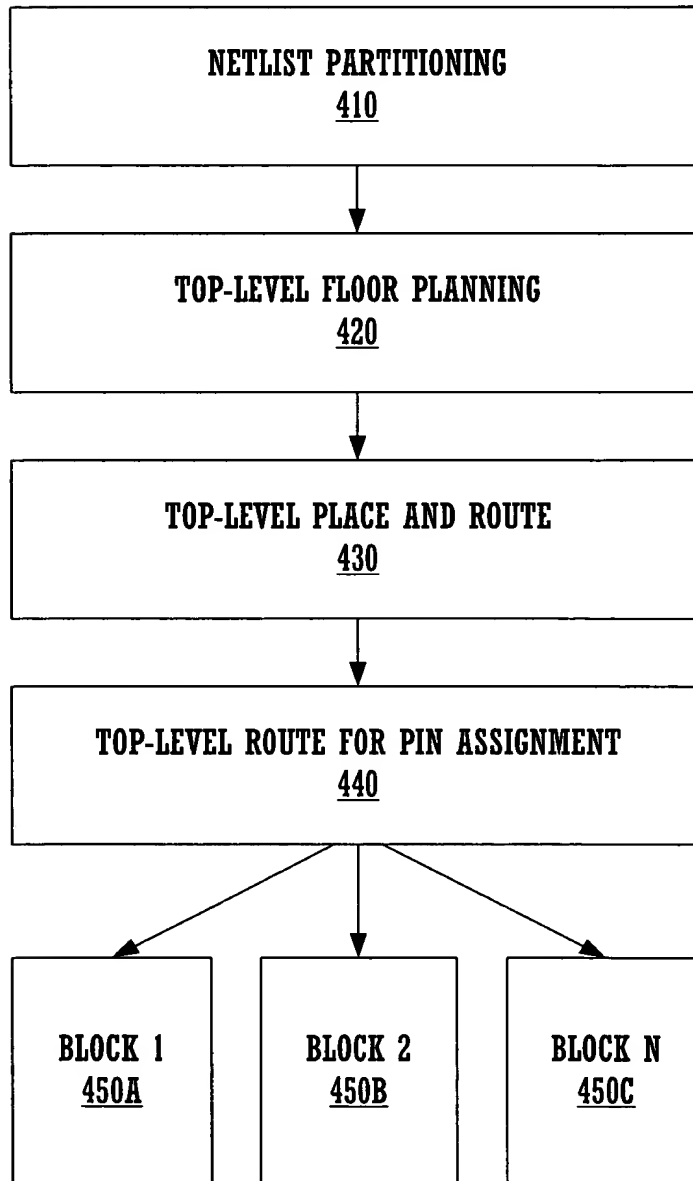


FIGURE 4



5/31

500

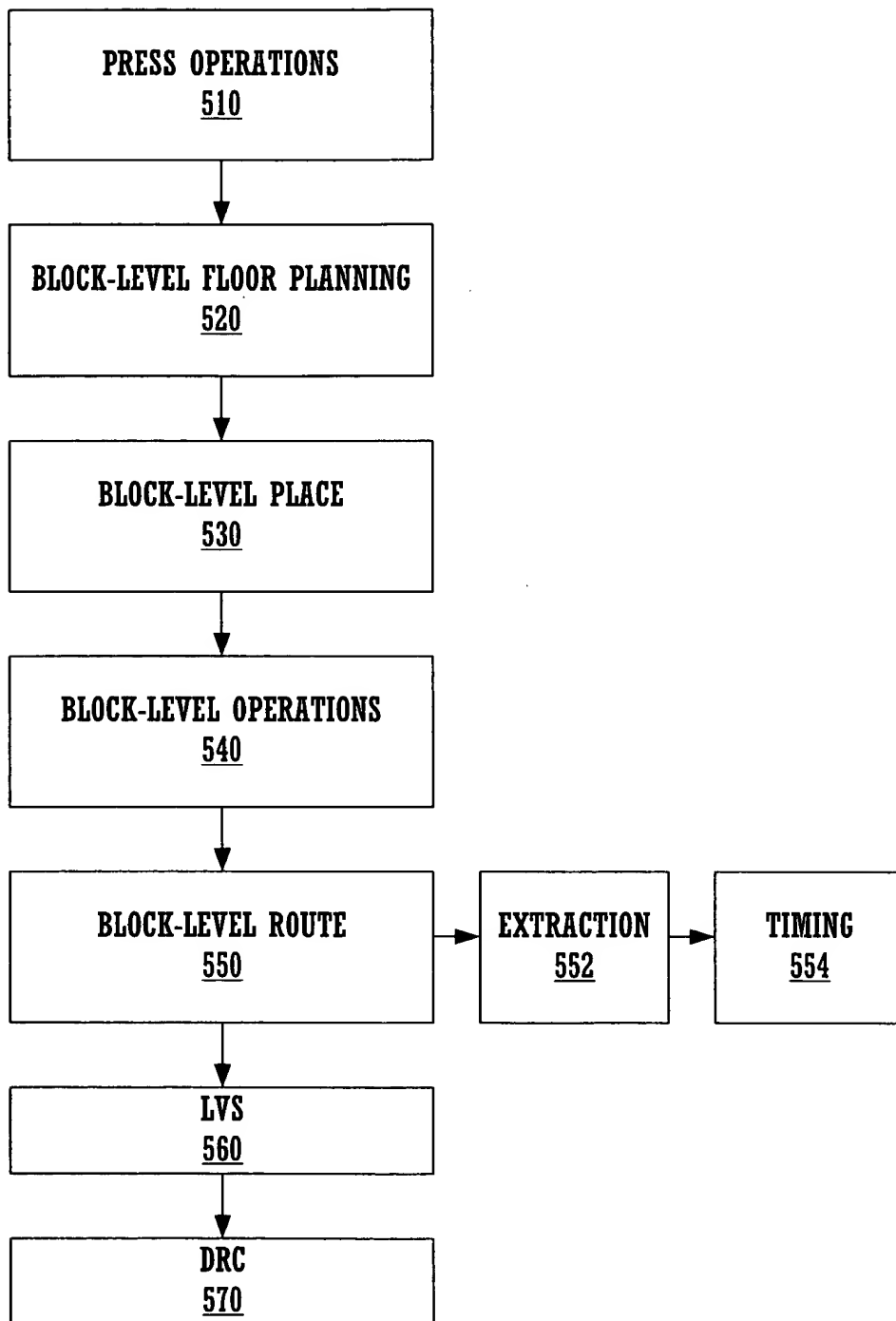


FIGURE 5



6/31

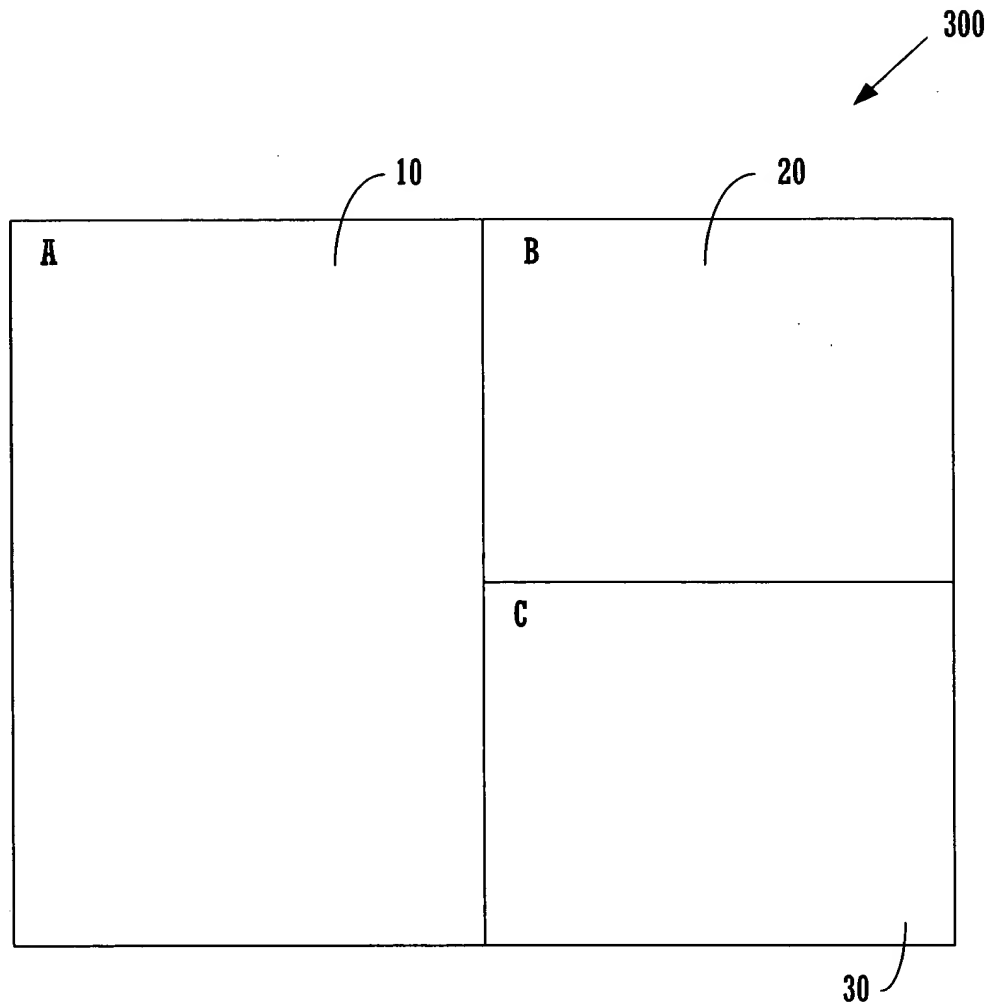


FIGURE 6



7/31

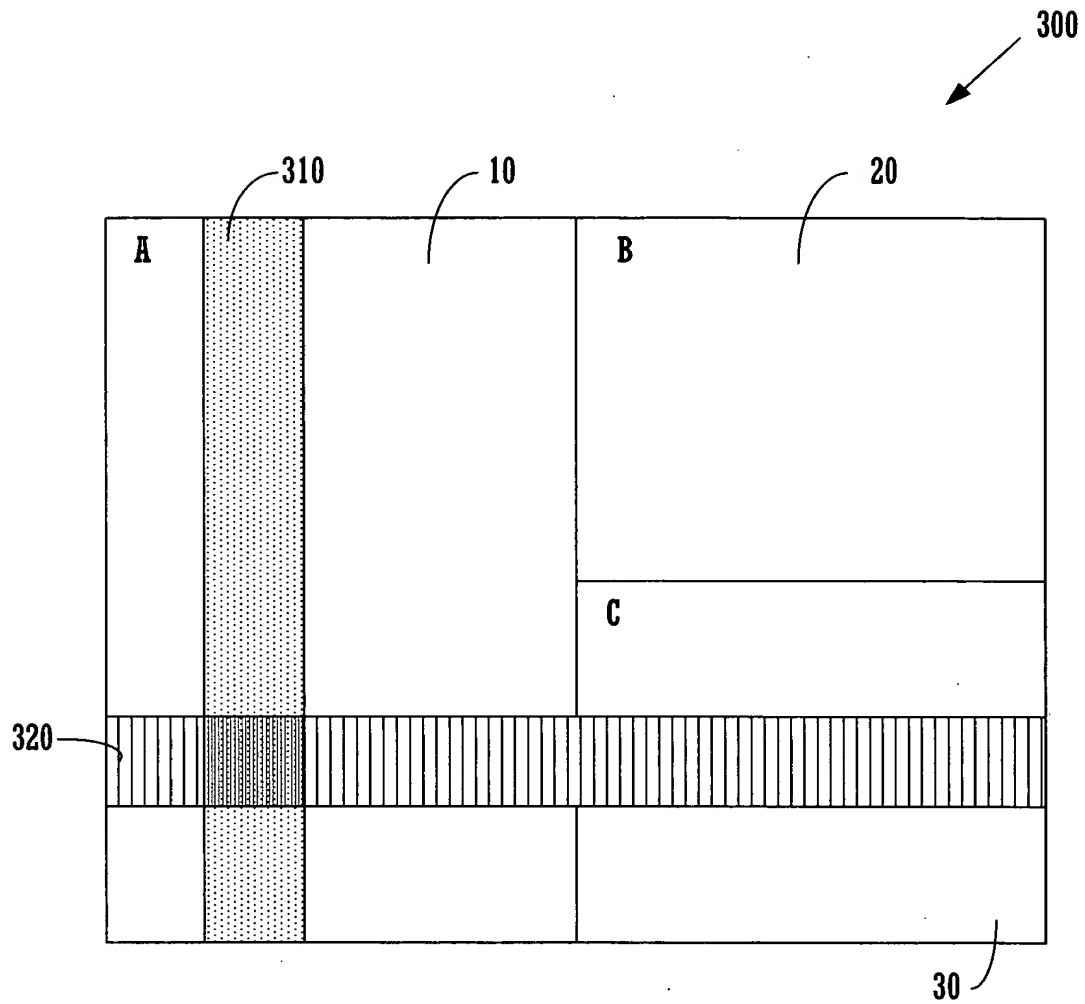
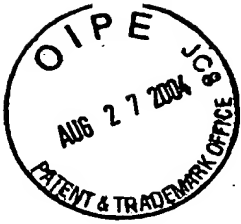


FIGURE 7



8/31

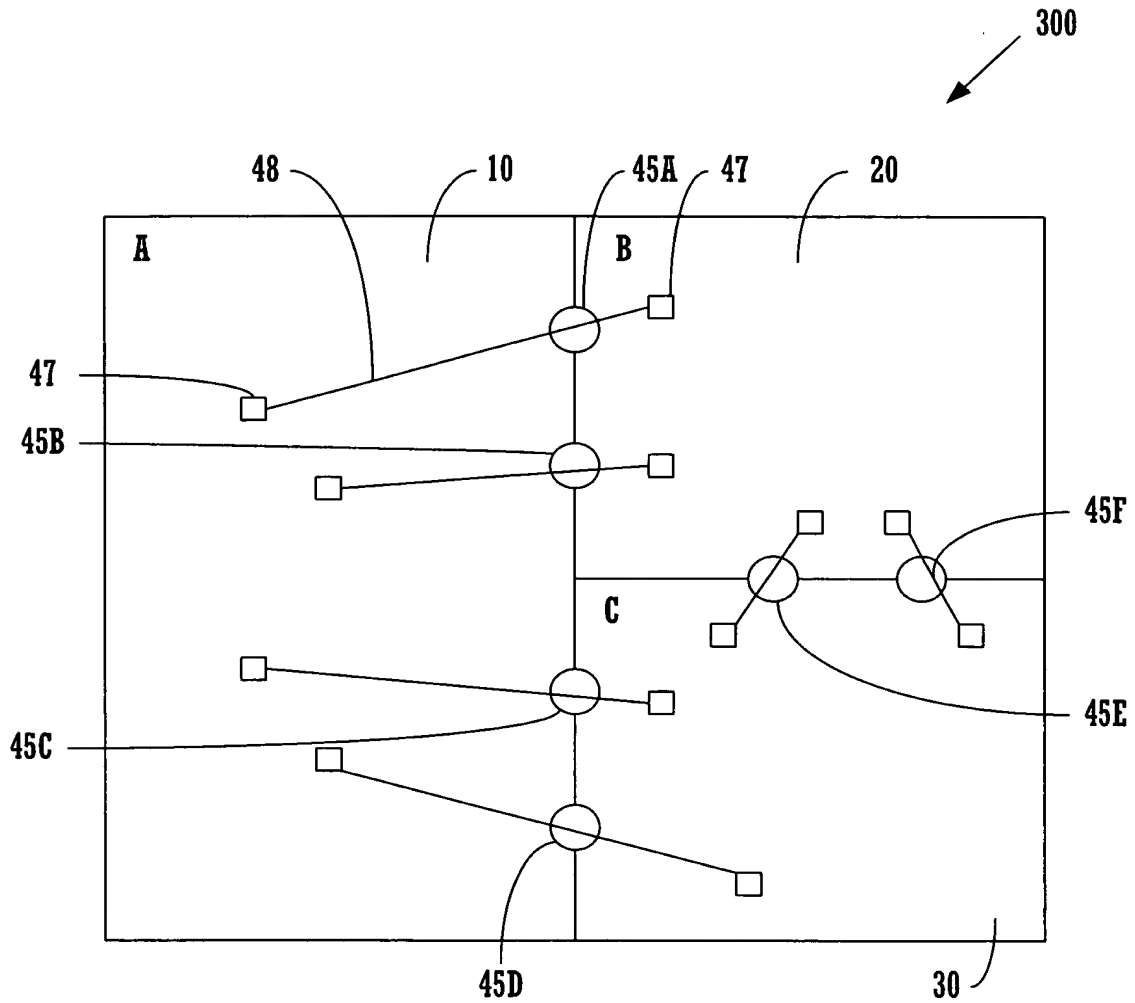
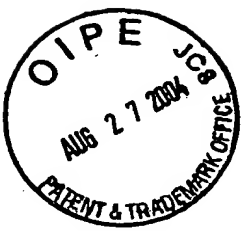


FIGURE 8



TITLE: OPTIMIZATION OF ABUTTED-PIN HIERARCHICAL PHYSICAL DESIGN
INVENTOR(S): Pete Dahl, Byron Dickinson, Margie Levine and Paul Rodman
USSN: 09/714,722 ATTORNEY DOCKET#: RESH-001

9/31

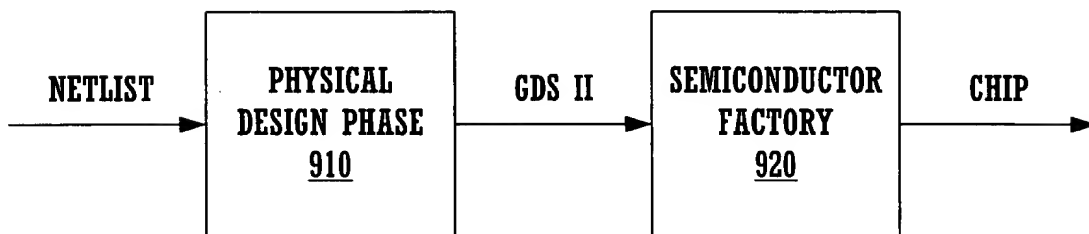


FIGURE 9A
(Prior Art)



10/31

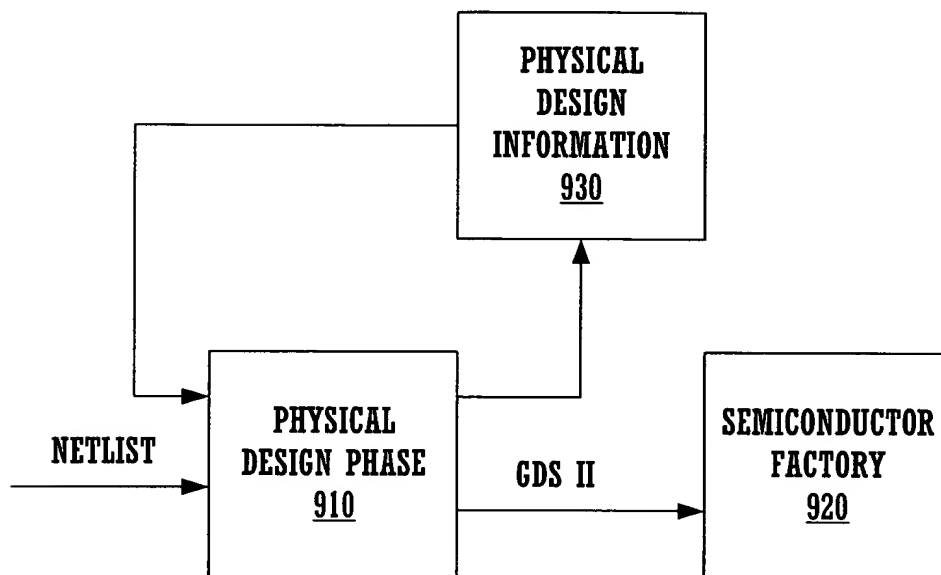


FIGURE 9B



11/31

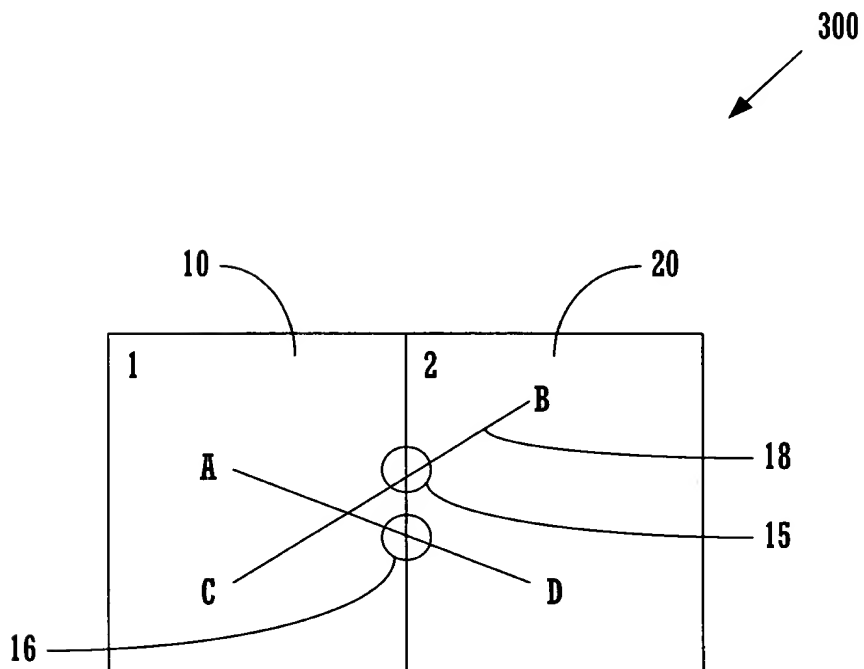


FIGURE 10A



12/31

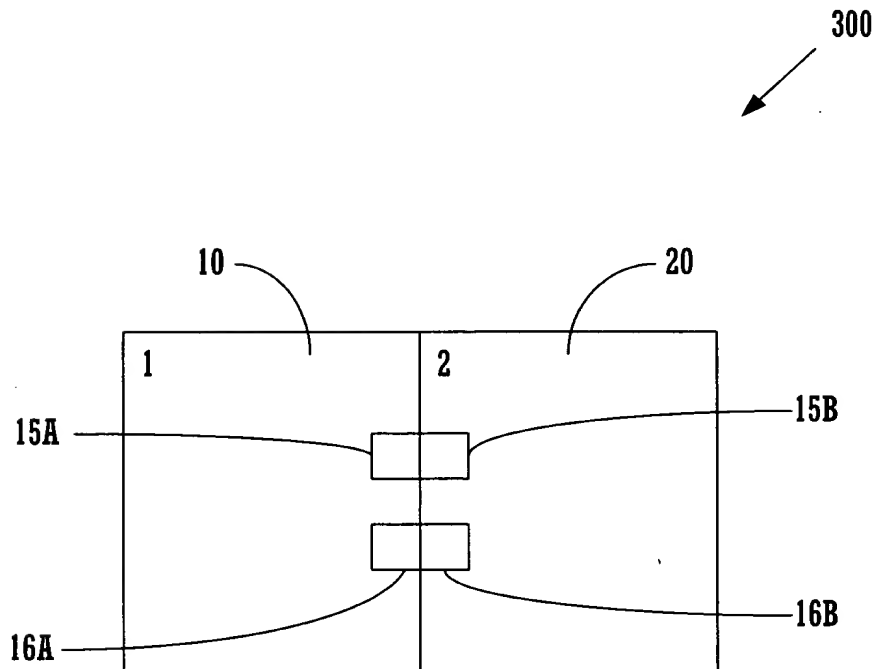


FIGURE 10B



13/31

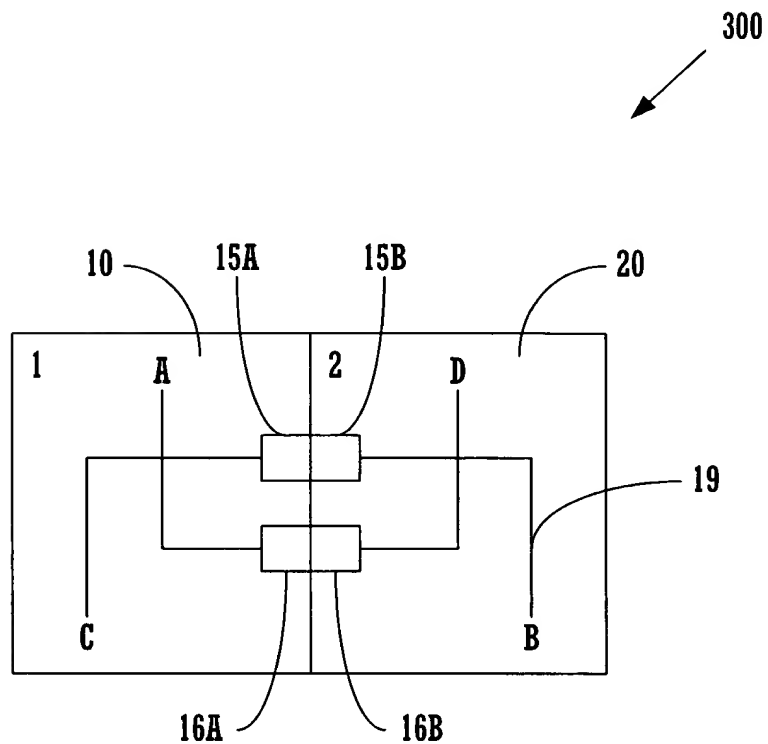


FIGURE 10C



14/31

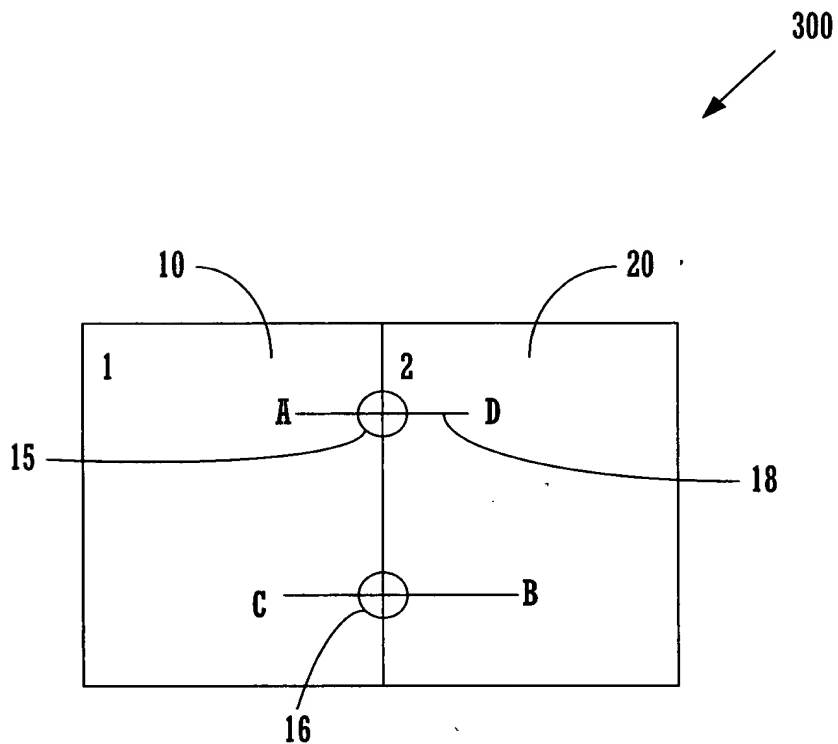


FIGURE 11A



15/31

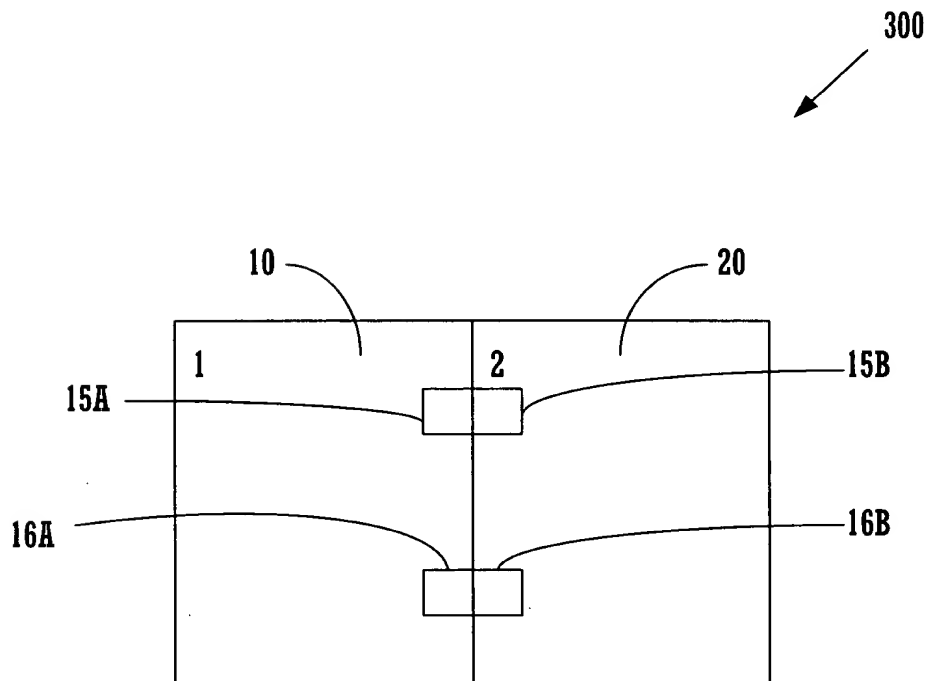


FIGURE 11B





17/31

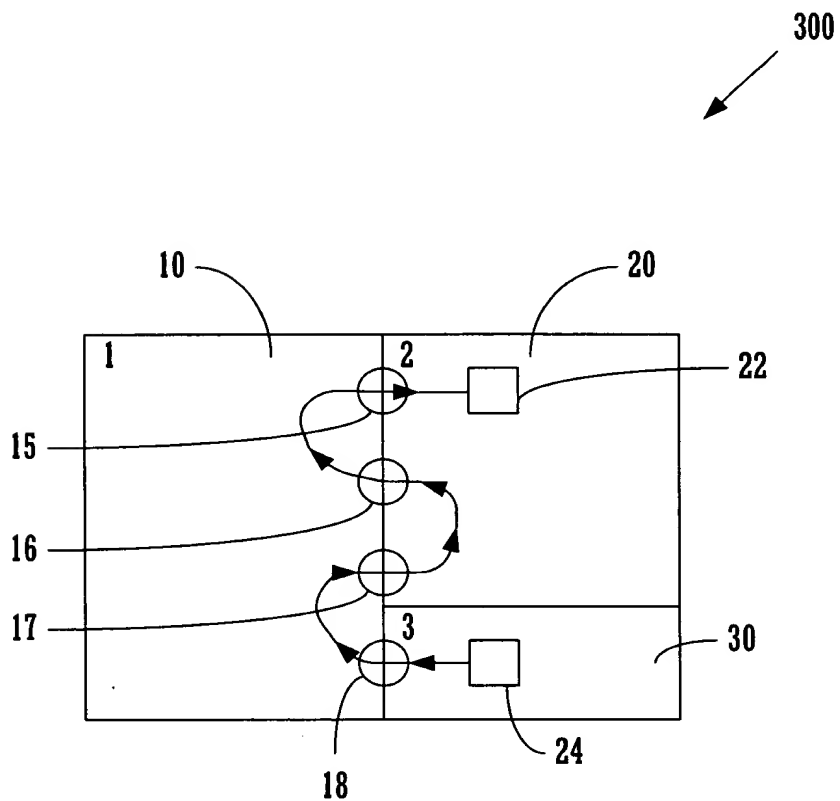


FIGURE 12A



18/31

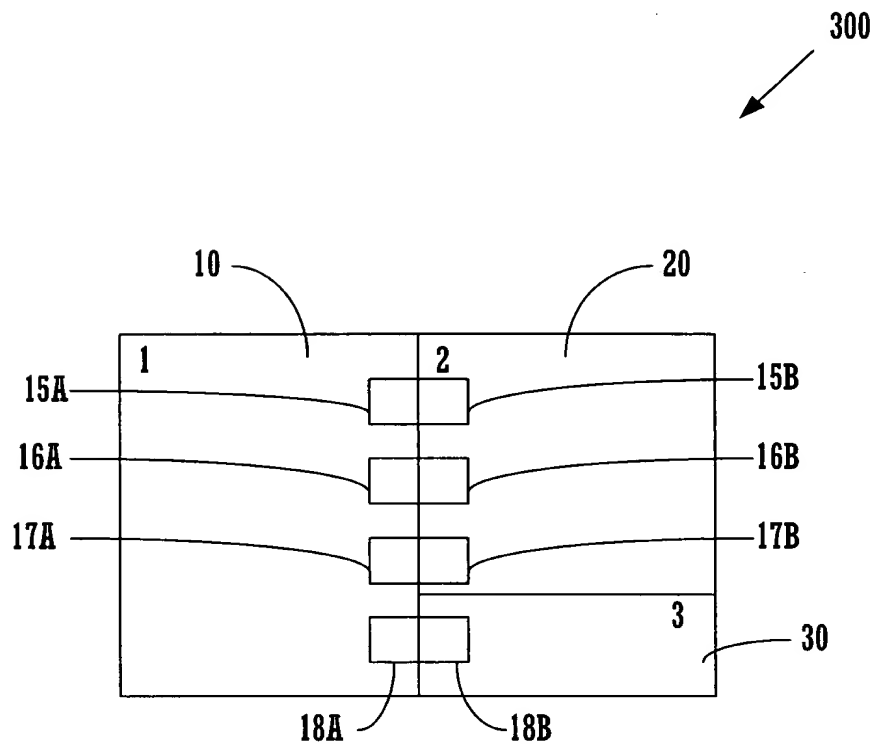


FIGURE 12B



19/31

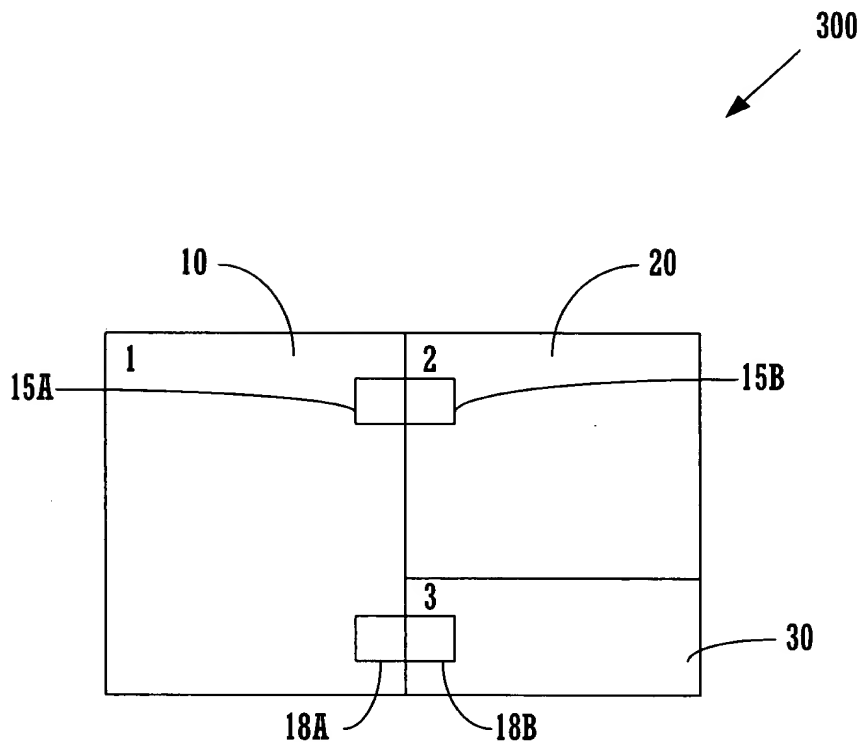


FIGURE 12C

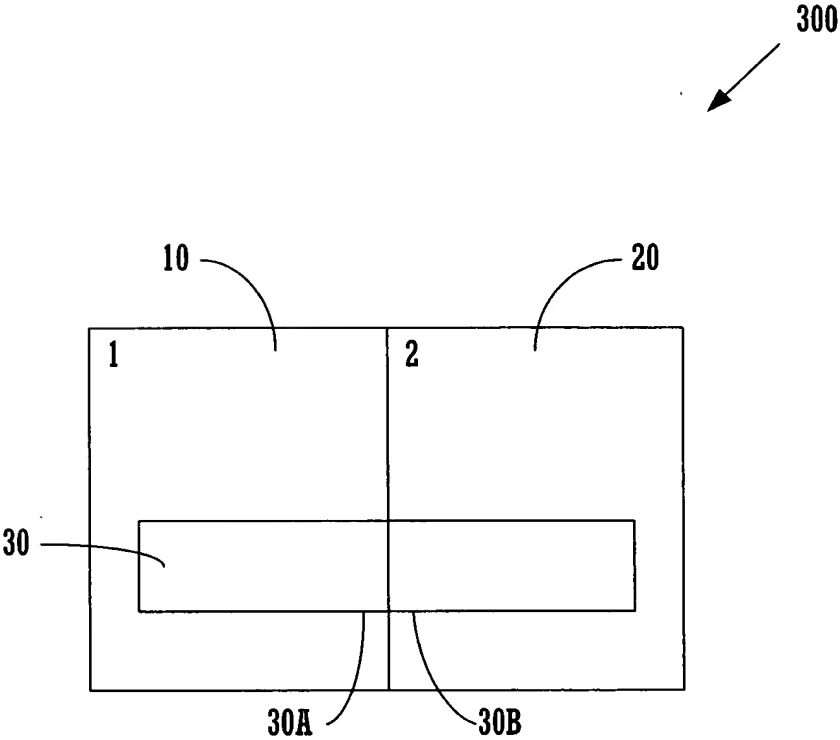


FIGURE 13A



TITLE: OPTIMIZATION OF ABUTTED-PIN HIERARCHICAL PHYSICAL DESIGN
INVENTOR(S): Pete Dahl, Byron Dickinson, Margie Levine and Paul Rodman
USSN: 09/714,722 ATTORNEY DOCKET#: RESH-001

21/31

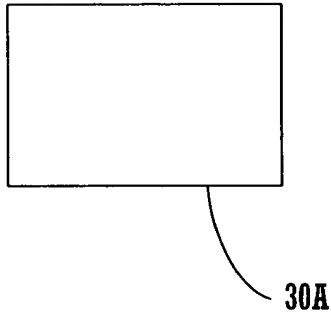


FIGURE 13B



22/31

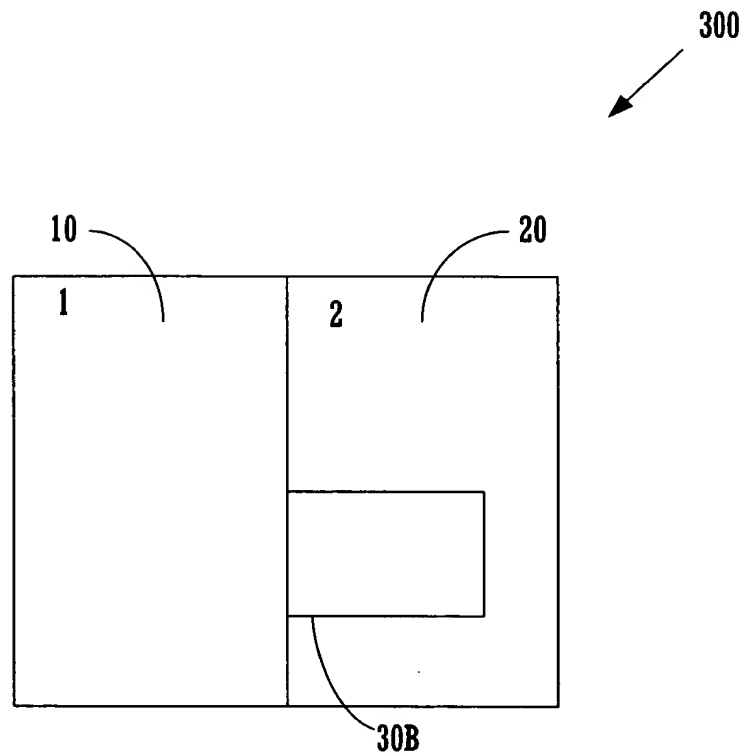


FIGURE 13C



23/31

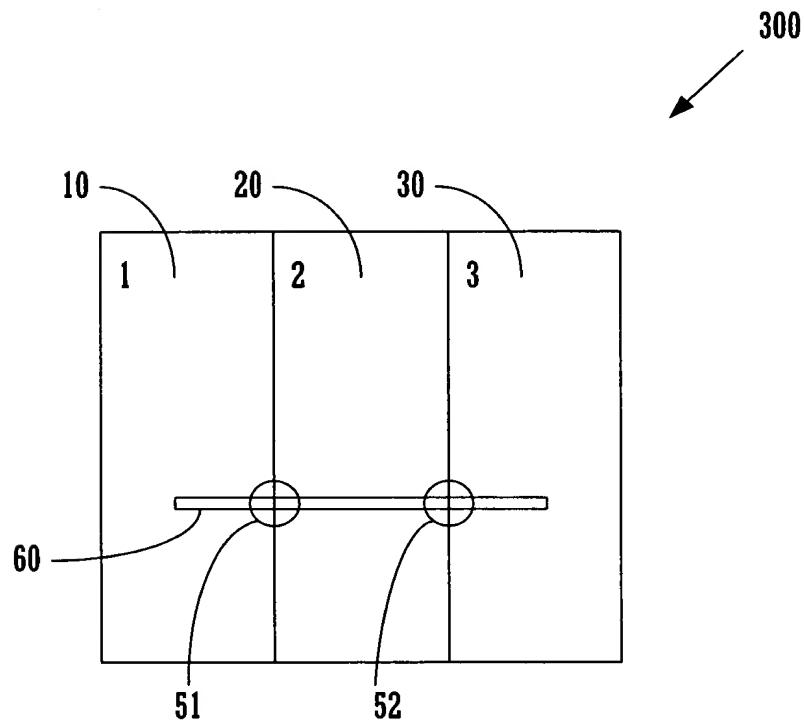


FIGURE 14A



24/31

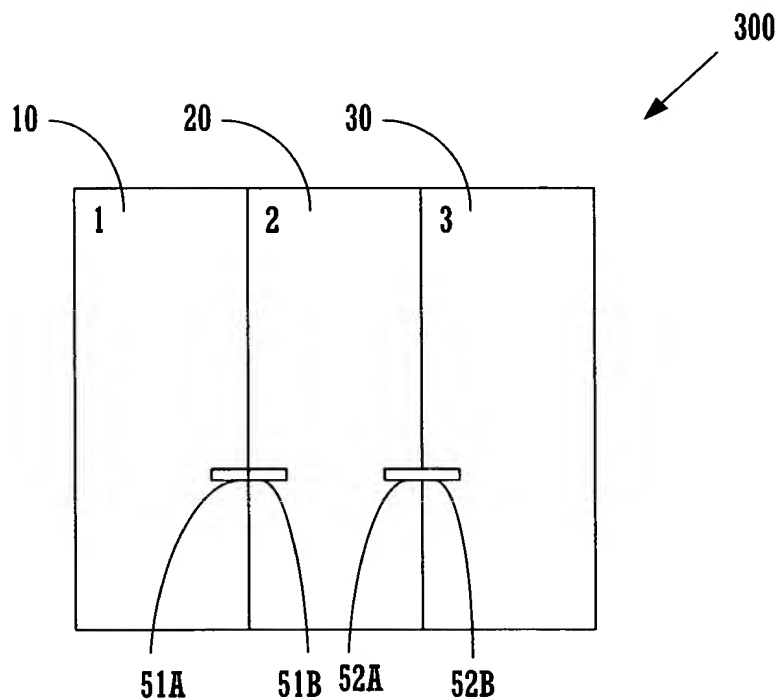


FIGURE 14B



25/31

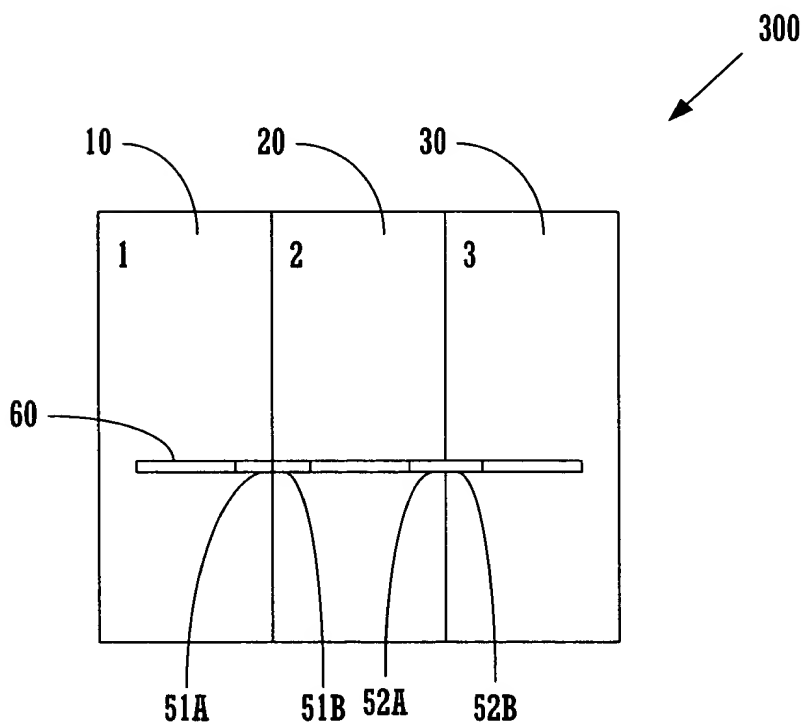


FIGURE 14C



TITLE: OPTIMIZATION OF ABUTTED-PIN HIERARCHICAL PHYSICAL DESIGN
INVENTOR(S): Pete Dahl, Byron Dickinson, Margie Levine and Paul Rodman
USSN: 09/714,722 ATTORNEY DOCKET#: RESH-001

26/31

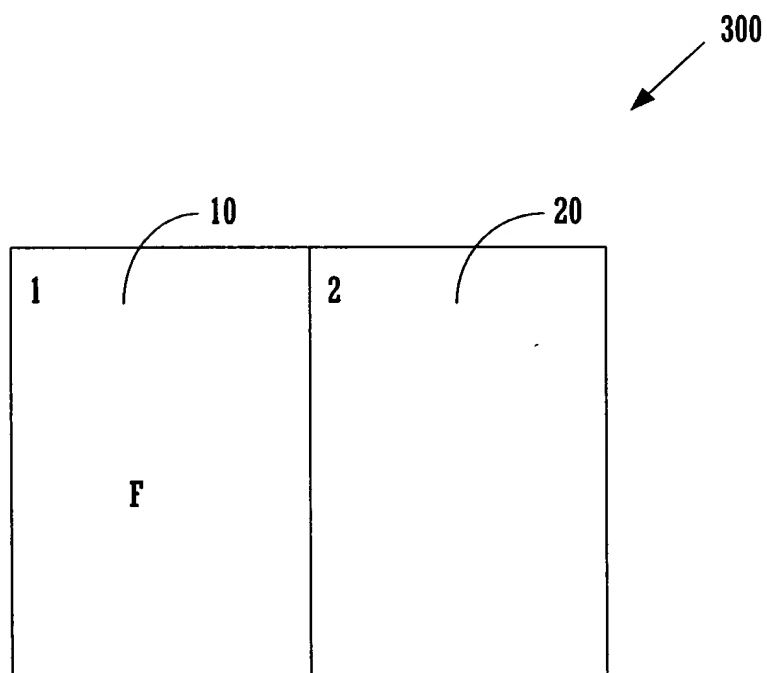


FIGURE 15A



TITLE: OPTIMIZATION OF ABUTTED-PIN HIERARCHICAL PHYSICAL DESIGN
INVENTOR(S): Pete Dahl, Byron Dickinson, Margie Levine and Paul Rodman
USSN: 09/714,722 ATTORNEY DOCKET#: RESH-001

27/31

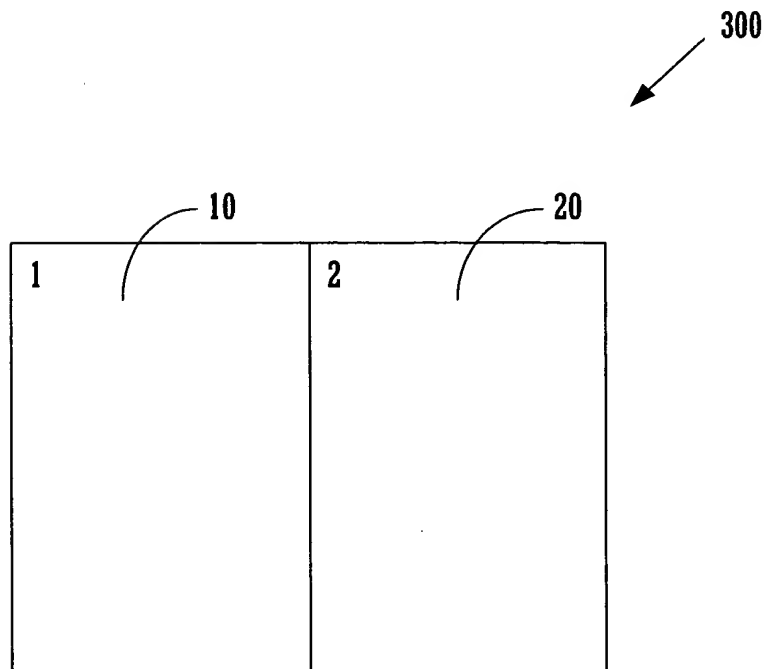


FIGURE 15B



28/31

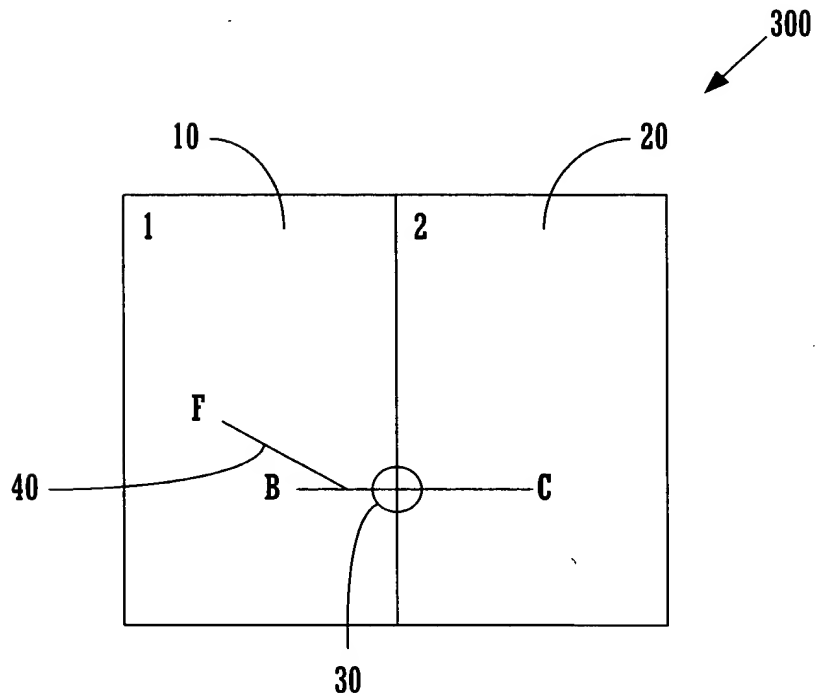


FIGURE 16A



29/31

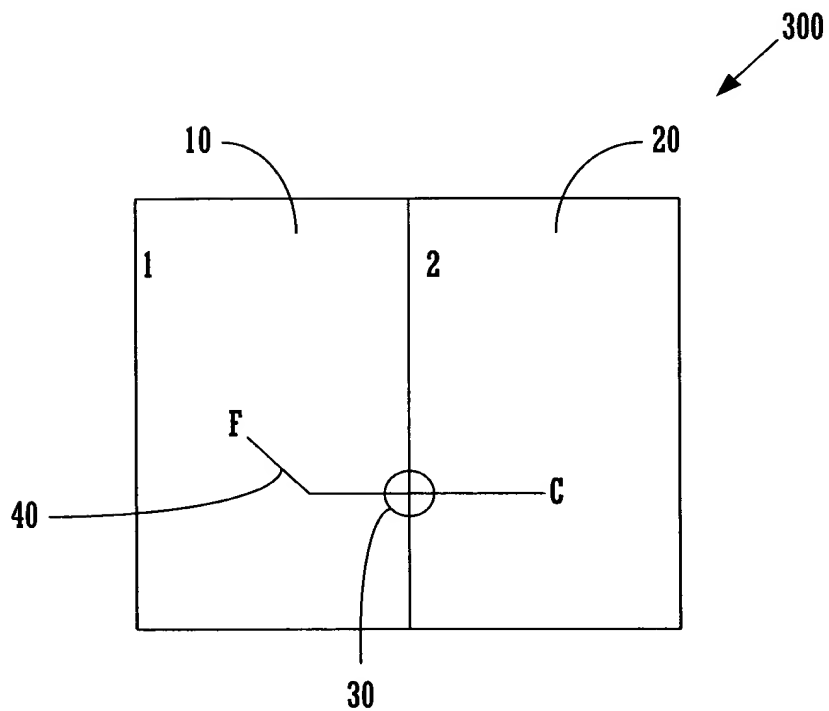


FIGURE 16B



30/31

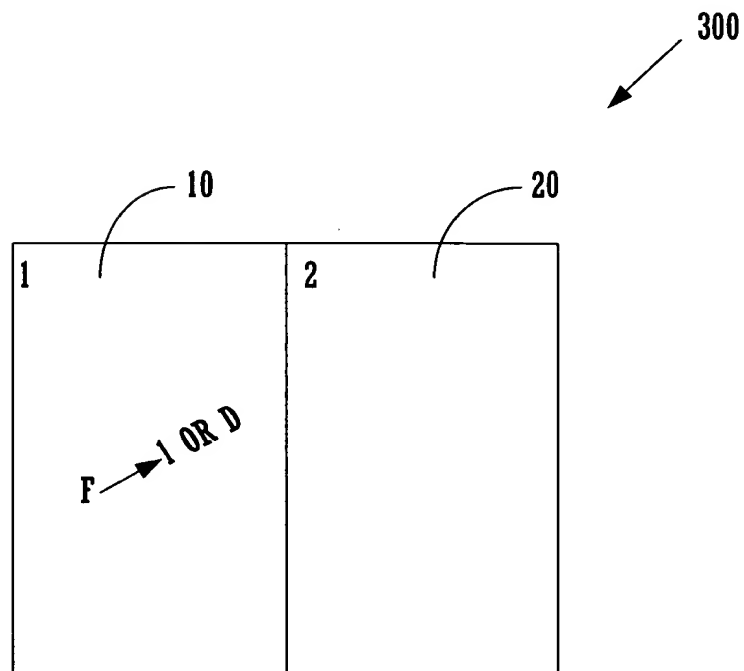


FIGURE 17A



31/31

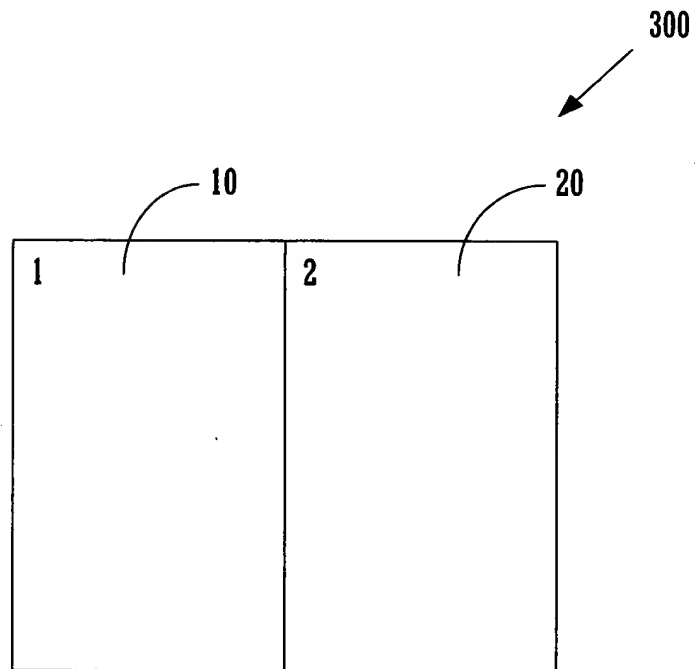


FIGURE 17B